

## WHAT IS CLAIMED IS:

1. A digital audio data reproducing system comprising:

a digital audio data reproducing apparatus including a recording medium in which digital audio data are stored, detection means for detecting the digital audio data stored in said recording medium and a processing section for reproducing said digital audio data in accordance with the reproducing speed signal and reproducing direction signal which are supplied from the outside to said detection means;

an analog player including a turntable for an analog record or a disk similar thereto and rotation driving means for said turntable; and

a rotation detecting apparatus mounted onto said analog record player for detecting both the speed of revolution and the sense of rotation for either said turntable or said analog record or a disk similar thereto, which is rotated by said turntable, and for supplying said reproducing speed signal and said reproducing direction signal to said digital audio data reproducing apparatus, after determining said reproducing speed signal and said reproducing direction signal from the detection signals for the speed of revolution and the sense of rotation.

2. A digital audio data reproducing system according to Claim 1, wherein said rotation detection apparatus comprising:

a rotation body which is rotated by either said turntable or said analog record or a disk similar thereto in contact therewith; and

a rotary encoder including an encoder disk connected to the rotary shaft of said rotation body and a photoelectric detector for sensing said encoder disk.

3. A digital audio data reproducing system according to Claim 2, wherein

said rotation detecting apparatus further comprises supporting means for changing said rotation body and said rotary encoder from a first position at which said rotation body and said rotary encoder is in contact with said analog record or a disk similar thereto to a second position at which said rotation body and said rotary encoder is away from said analog record or a disk similar thereto and vice versa by the operation of an operator.

4. A digital audio data reproducing system according to Claim 1, wherein said rotation detecting apparatus comprising;

an image sensor for reading the surface of said analog record or a disk similar thereto as image data; and

a processing unit for determining said reproducing speed signal and said reproducing direction signal to be output on the basis of said image data supplied from said image sensor.

5. A digital audio data reproducing system according to Claim 4, wherein said rotation detecting apparatus is further equipped with at least switch means for transmitting/interrupting said reproducing speed signal and said reproducing direction signal to said digital audio data reproducing apparatus by the operation of an operator at the output of said processing unit in said rotation detecting apparatus.